WHITE PAPER

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VERSION 1.0

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These technical notes are intended to formally document and describe the features and concepts of the VergeDarkGreen cryptocurrency. This specific document will thoroughly explain in detail the technical details of the Seesaw Reward Balance System along with its intended benefits.

INTRODUCTION

We are a team that prepared the coin, which is available to all. We understand that everyone has different possibilities of mining of coins. At the beginning of the miners have a chance. We don't want our coin taking a lot of energy in order to validate the transaction. Therefore, the period of POW doesn't take long. The majority of crypto currencies that make use of masternodes, split their block reward per block equally between the mining and masternode distribution mechanisms. The intended fairness of this reward distribution can be subverted by the growth of masternodes held by large investors without limits leading to potential centralization of the budgeting system much like having a majority shareholder in a company. The additional benefits of masternodes can lead to less number of users conducting Proof of Stake (PoS) mining activities and thus lowering the security of the PoS network.Masternodes do provide a valuable service and should be rewarded for that service, but our aim here is not to reward them way beyond the extra value they provide. For we believe that doing so disproportionately benefits masternode owners above and beyond other users of the system and ultimately leads to a greater degree of centralization.

PROOF OF WORK

A proof of work is a piece of data which is difficult (costly, time-consuming) to produce but easy for others to verify and which satisfies certain requirements. Producing a proof of work can be a random process with low probability so that a lot of trial and error is required on average before a valid proof of work is generated. VergeDarkGreen uses the Hashcash proof of work system only to 30,000 blocks.

PROOF OF STAKE

Proof of Stake (PoS) requires nodes running a wallet software proving that it has coins in the blockchain in order to verify a block of transactions. The participating nodes receive an amount of blocks proportional to their stake per set period as a form of reward.This means that with lots of participating nodes (with roughly even amounts of coins) the network becomes very secure due to the increased difficulty of owning a majority of coins in the network. In VergeDarkGreen POS started after 30,000 blocks.

MASTERNODE OVERVIEW

Masternode, in simpler terms, is a series of servers that support the blockchain network. Masternodes work much like proof of stake, where there is a staking of a certain amount of a given currency within that blockchain network which in turn fetches some income for the owner who made the stake.

Technically, Masternode is a cryptocurrency full node which can also be considered as a computer wallet that stores the complete copy of the active blockchain in real time.

XVGDG – SPECIFICATION

Block Reward POW

1-100
52,500 XVGDG => Premine
101 - 300
500 XVGDG
301 - 600
10 XVGDG
601 - 1000
5 XVGDG
1001 – 30,000
2 XVGDG

Block Reward POS

AFTER BLOCK 30,000 POS STARTED AND POW END

30001 - 35000
20 XVGDG
35001 - 40000
10 XVGDG
40001 - 50000 5 XVGDG
50001 AND MORE
2 XVGDG

MN REWARD

101 - 300
80 %
301 - 600
30%
601 - 1000
30%
1001 – 30,000
70 %
30,001 – 35,000
60 %
35,001 – 40,000
50 %
40,001 AND MORE
60 %

Block Target: 60 SECONDS
Mature Time: 20 blocks
Masternode Collateral: 10,000 XVGDG
Masternode Start: After 100 block
Total supply: 210 000 000
RPC port 5159
P2P port 4959
PREMINE 2,5%

CODE

POW AND POS

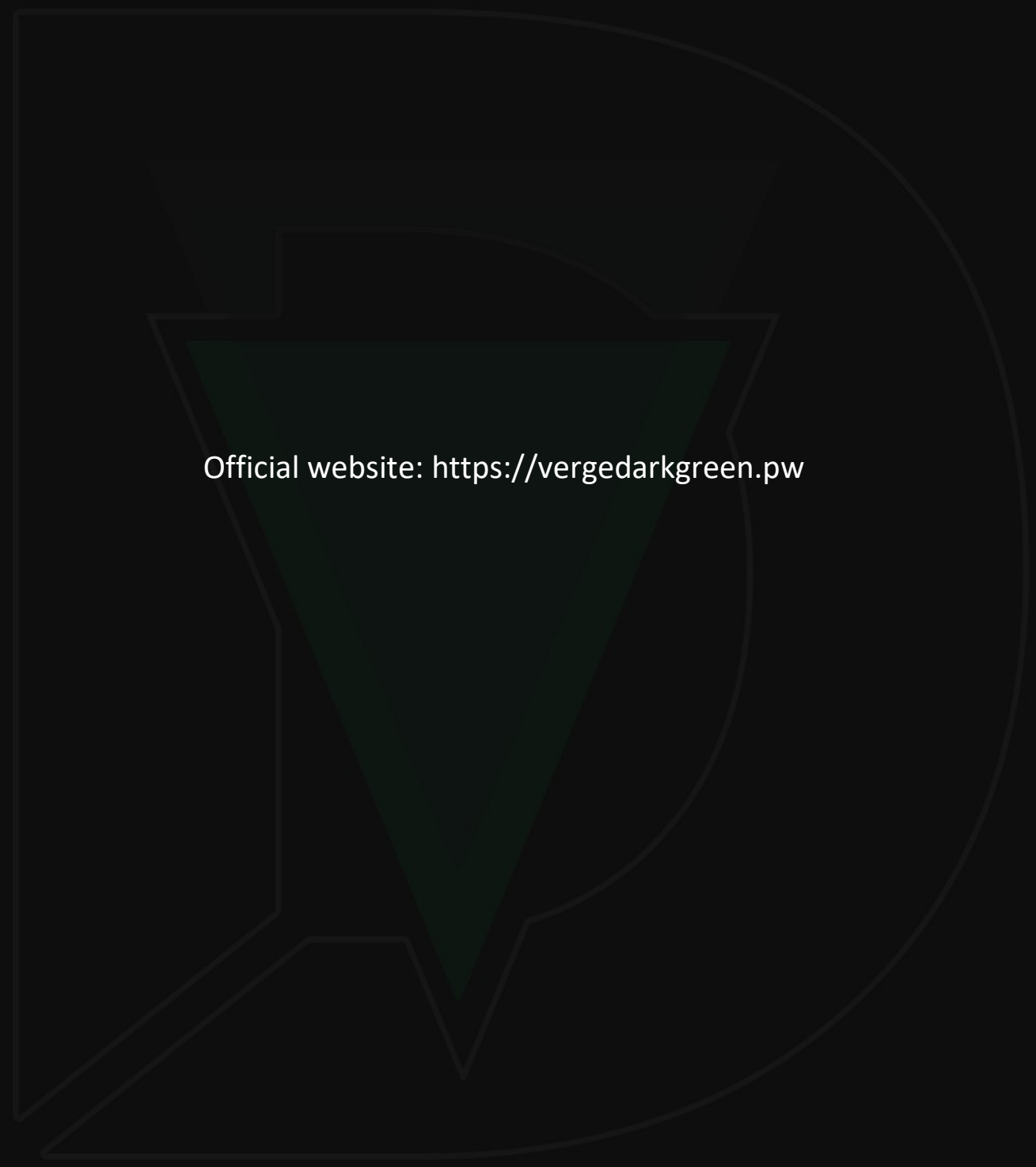
```
int64_t GetBlockValue(int nHeight)
{
int64_t nSubsidy = 0;
if (nHeight == 0) {
nSubsidy = 0 * COIN; // Genesis block
}
else if (nHeight >= 1  && nHeight <= 100){
nSubsidy = 52500 * COIN;
 }
else if (nHeight >= 101  && nHeight <= 300){
nSubsidy = 500 * COIN;
}
else if (nHeight >= 301  && nHeight <= 600){
nSubsidy = 10 * COIN;
}
else if (nHeight >= 601  && nHeight <= 1000){
nSubsidy = 5 * COIN;
}
else if (nHeight >= 1001  && nHeight <= 30000){
nSubsidy = 2 * COIN;
}
```

```
//Pos Start
else if (nHeight >= 30001  && nHeight <= 35000){
nSubsidy = 20 * COIN;
}
else if (nHeight >= 35001  && nHeight <= 40000){
nSubsidy = 10 * COIN;
}
else if (nHeight >= 40001  && nHeight <= 50000){
nSubsidy = 5 * COIN;
}
else if (nHeight >= 50001){
nSubsidy = 2 * COIN;
}
```

MASTERNODE

```
int64_t GetMasternodePayment(int nHeight, int64_t blockValue, int nMasternodeCount)
{
int64_t ret = 0;
// Rewards masternode activation.
if (nHeight >=101 && nHeight <=300)
{
ret = blockValue * 0.80;
}
if (nHeight >=301 && nHeight <=600)
{
ret = blockValue * 0.50;
}
if (nHeight >=601 && nHeight <=1000)
{
ret = blockValue * 0.30;
}
if (nHeight >=1001 && nHeight <=30000)
{
ret = blockValue * 0.70;
}
if (nHeight >=30001 && nHeight <=35000)
{
ret = blockValue * 0.60;
}
```

```
if (nHeight >=35001 && nHeight <=40000)
{
ret = blockValue * 0.50;
}
if (nHeight >=40001)
{
ret = blockValue * 0.60;
}
return ret;
}
```



Official website: https://vergedarkgreen.pw